AUTHOR INDEX

Augood, D. R.
Determination of Cure State, p. 37

Barnhart, R. R.
A Comparison of Current Bonding Agent Systems, p. 216

Bartlett, C. J.
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Bloechle, D. P.
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: II. Experimental Results for B-Stage Epoxy Materials, p. 375

Brichzin, D.
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Buckles, R. G.
Inflation of Thin-Walled Elastic Tubes, p. 338

Chapman, D. A.
Vulcanization of Rubber. Model for Efficient Sulfenamide-Sulfur Systems, p. 129

Cooper, W. T.
Carbon Blacks in Plastomers, p. 173

Coran, A. Y.
Composite Structures from Spunbonded Nylon Web and Rubber, p. 199

Dunnom, D. D.
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Fingerle, D.
Autogenic Melt Temperature Control System for Plastic Extrusion, p. 291

Finlay, J. B.
Peroxide-Curable Fluoroelastomers, p. 3

Goettler, L. A.
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Haemers, G.
The Role of the Brass Surface Composition with Regard to Steel Cord Rubber Adhesion, p. 241

Hallenbeck, A.
Peroxide-Curable Fluoroelastomers, p. 3

Hamed, P.
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Composite Structures from Spunbonded Nylon Web and Rubber, p. 199

Hauser, D. L.
High-Strength Coated Fabrics, p. 78

Hays, W. R.
Fabricating with Liquid Silicone Rubber, p. 163

Hewitt, N. L.
A Dynamic Wire Adhesion Test, p. 95

Hofer, K. E.
Influence of Moisture on the Impact Behavior of Hybrid Glass/Graphite/Epoxy Composites, p. 271

AUTHOR INDEX

Augood, D. R.
Determination of Cure State, p. 37

Barnhart, R. R.
A Comparison of Current Bonding Agent Systems, p. 216

Bartlett, C. J.
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Bloechle, D. P.
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: II. Experimental Results for B-Stage Epoxy Materials, p. 375

Brichzin, D.
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Buckles, R. G.
Inflation of Thin-Walled Elastic Tubes, p. 338

Chapman, D. A.
Vulcanization of Rubber. Model for Efficient Sulfenamide-Sulfur Systems, p. 129

Cooper, W. T.
Carbon Blacks in Plastomers, p. 173

Coran, A. Y.
Composite Structures from Spunbonded Nylon Web and Rubber, p. 199

Dunnom, D. D.
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Fingerle, D.
Autogenic Melt Temperature Control System for Plastic Extrusion, p. 291

Finlay, J. B.
Peroxide-Curable Fluoroelastomers, p. 3

Goettler, L. A.
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Haemers, G.
The Role of the Brass Surface Composition with Regard to Steel Cord Rubber Adhesion, p. 241

Hallenbeck, A.
Peroxide-Curable Fluoroelastomers, p. 3

Hamed, P.
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Composite Structures from Spunbonded Nylon Web and Rubber, p. 199

Hauser, D. L.
High-Strength Coated Fabrics, p. 78

Hays, W. R.
Fabricating with Liquid Silicone Rubber, p. 163

Hewitt, N. L.
A Dynamic Wire Adhesion Test, p. 95

Hofer, K. E.
Influence of Moisture on the Impact Behavior of Hybrid Glass/Graphite/Epoxy Composites, p. 271

Kehrer, G. P.
Fabrication with Liquid Silicone Rubber, p. 163

Klingensmith, W. H.
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Lagasse, R. R.
Castable Thermoplastic Urethane Elastomers I. Formulation and Applications as Removable Encapsulants, p. 262

Leeper, H. M.
Inflation of Thin-Walled Elastic Tubes, p. 338

Li, P. C.
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Low, H.
Health Effects of Petroleum Extender Oils, p. 229

MacLachlan, J. D.
Peroxide-Curable Fluoroelastomers, p. 3

McKinstry, P. H.
A Comparison of Current Bonding Agent Systems, p. 216

McNeil, D. W.
D2-m-Carborane-Siloxanes. IV. Oxidative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Mollet, J.
The Role of the Brass Surface Composition with Regard to Steel Cord Rubber Adhesion, p. 241

Monroe, C. M.
Fabricating with Liquid Silicone Rubber, p. 163

Oetzel, J. T.
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Ohm, R. F.
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Oldack, R. C.
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Peters, E. N.
D2-m-Carborane-Siloxanes. IV. Oxidative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Porte, R.
Influence of Moisture on the Impact Behavior of Hybrid Glass/Graphite/Epoxy Composites, p. 271

Railsback, H. E.
Carbon Blacks in Plastomers, p. 173

Rogers, T. H.
Elastomeric Products Made with Low Energy Systems, p. 17

Rosen, S. L.
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Sassaman, W. O.
Elastomeric Products Made with Low Energy Systems, p. 17

Scheer, E. N.
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Staklis, A. A.
High-Strength Coated Fabrics, p. 78

Stewart, D. D.
D2-m-Carborane-Siloxanes. IV. Oxi-

dative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Tuchman, D.
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Vial, T. M.
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Wagner, M. P.
A Dynamic Wore Adhesion Test, p. 95

Walker, L. A.
Improved Dynamic Properties in Tires I. Truck and Off-the-Road Tires, p. 324

Wells, R. C.
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Wilder, C. R.
Carbon Blacks in Plastomers, p. 173

Wischmann, K. B.
Castable Thermoplastic Urethane Elastomers I. Formulation and Applications as Removable Encapsulants, p. 262

Yum, S. I.
Inflation of Thin-Walled Elastic Tubes, p. 338

SUBJECT INDEX

Adhesion
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

A Comparison of Current Bonding Agent Systems, p. 216

Anisotropy
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Aromatic Oils
Health Effects of Petroleum Extender Oils, p. 229

Better Economics with Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

Black Polymers
Carbon Blacks in Plastomers, p. 173

Blow-Out Time
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Bonding Agents
A Comparison of Current Bonding Agent Systems, p. 216

Butadiene-Styrene Rubbers
Carbon Blacks in Plastomers, p. 173

Carbon Black
Carbon Blacks in Plastomers, p. 173

Cellulose Fiber
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Composite
Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Use of the Parallel Plate Plastometer To Characterize Glass-Reinforced Resins: II. Experimental Results For B-Stage Epoxy Materials, p. 375

Compounding
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Crosslinked Polyethylene
Determination of Cure State, p. 37

Crosslinks
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Cure Characterization
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Cure State
Determination of Cure State, p. 37

Deammoniation of Natural Latex
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Determination
Determination of Cure State, p. 37

Disc Fatigue Test
A Dynamic Wire Adhesion Test, p. 95

Dithiocarbamates
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Dynamic
A Dynamic Wire Adhesion Test, p. 95

Dynamic Properties
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Elasticity
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Elastomeric
Elastomeric Products Made with Low Energy Systems, p. 17

Elastomers
Inflation of Thin-Walled Elastic Tubes, p. 338

Energy
Elastomeric Products Made with Low Energy Systems, p. 17

Energy Density
Inflation of Thin-Walled Elastic Tubes, p. 338

EPDM Rubber
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Epichlorohydrin Elastomers
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Epoxy
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367
Use of the Parallel Plate Plastometer To Characterize Glass-Reinforced Resins: II. Experimental Results For B-Stage Epoxy Materials, p. 375

Fabrication with Liquid Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

Fatty Acid Derivatives
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Fatty Acids
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Fiber
Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Flow Model
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Fluorocarbon Elastomers
Peroxide-Curable Fluoroelastomers, p. 3

Heat Aging
D2-m-Carborane-Siloxanes. IV. Oxidative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Heat Build-Up
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Heat Resistance
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Hexamethylene Tetramine
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

High Temperature Elastomers
D2-m-Carborane-Siloxanes. IV. Oxidative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Homogenizing Agents
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Hydrin 400
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Infusion
Inflation of Thin-Walled Elastic Tubes, p. 338

Injection Molding of Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

Lamination
Use of the Parallel Plate Plastometer To Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: II. Experimental Results For B-Stage Epoxy Materials, p. 375

Latex Cure Systems
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Liquid Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

Low Hardness
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Mechanism
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Mineral Fillers
Carbon Blacks in Plastomers, p. 173

Natural Latex
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

New Methods of Processing with Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

New Types of Silicone Rubber
Fabricating with Liquid Silicone Rubber, p. 163

Nylon
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Occupational Health
Health Effects of Petroleum Extender Oils, p. 229

Oil and Fuel Resistance
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Pendent Groups
The Mechanical Properties of

Plastics Containing Cryogenically Ground Tire, p. 115

Peroxide
Determination of Cure State, p. 37

Peroxide Curing
Peroxide-Curable Fluoroelastomers, p. 3

Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Petroleum Carcinogens
Health Effects of Petroleum Extender Oils, p. 229

Petroleum Oils
Health Effects of Petroleum Extender Oils, p. 229

Petroleum Toxicology
Health Effects of Petroleum Extender Oils, p. 229

Plastomers
Carbon Blacks in Plastomers, p. 173

Poly (1,3-cyclopentylene-vinylene)
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Polyborbornene
A New Synthetic Rubber Norsorex® Polyborbornene, p. 150

Polynuclear Aromatics
Health Effects of Petroleum Extender Oils, p. 229

Powdered Rubber
A New Synthetic Rubber Norsorex® Polynorbornene, p. 150

Precipitated Silica
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Processing Agents
Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

Products
Elastomeric Products Made with Low Energy Systems, p. 17

Properties
Elastomeric Products Made with Low Energy Systems, p. 17

Radial Tire Belts
A Dynamic Wire Adhesion Test, p. 95

Reaction Rates
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Reinforcement
Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Reinforcement Level
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Removable Encapsulant
Castable Thermoplastic Urethane Elastomers I. Formulation and Applications as Removable Encapsulants, p. 262

Resin
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Rheometer
Rheometer Studies on Cure Behavior of Formaldehyde Deammoniated Natural Latex, p. 309

Rubber
Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Rubber Adhesion
A Comparison of Current Bonding Agent Systems, p. 216

Rubber Compounding
A Comparison of Current Bonding Agent Systems, p. 216

Rubber Extenders
Health Effects of Petroleum Extender Oils, p. 229

SBR Rubber
A Study of the Nylon Dry-Bonding Adhesion Mechanism, p. 44

Semi-Conductive
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Semi-Crystalline Polyurethane
Castable Thermoplastic Urethane Elastomers I. Formulation and Applications as Removable Encapsulants, p. 262

Semi-Efficient Cures
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Short Fiber Composite
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Silica Filler
A Dynamic Wire Adhesion Test, p. 95

Silicones
D2-m-Carborane-Siloxanes. IV. Oxidative Stabilization of Vulcanizates with Ferric Oxide, p. 29

Solvent Swelling
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59

Sulfenamide
The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Sulfur Cure
Hydrin® 400 – An Improved Epichlorohydrin Elastomer, p. 353

Sulfur Donor
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Sulfur Level
A Dynamic Wire Adhesion Test, p. 95

Synthetic Rubber
Carbon Blacks in Plastomers, p. 173

Tear Strength
Improved Dynamic Properties in Tires I. Truck and Off-The-Road Tires, p. 324

Thermoplastic Polyurethane
Castable Thermoplastic Urethane Elastomers I. Formulation and Applications as Removable Encapsulants, p. 262

Thermoplastic Rubber
Carbon Blacks in Plastomers, p. 173

Tires
A Comparison of Current Bonding Agent Systems, p. 216

Tubular Reservoirs
Inflation of Thin-Walled Elastic Tubes, p. 338

Urethane
Elastomeric Products Made with Low Energy Systems, p. 17

Viscosity
Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: I. Flow Model, p. 367

Use of the Parallel Plate Plastometer to Characterize Glass-Reinforced Resins: II. Experimental Results for B-Stage Epoxy Materials, p. 375

Vulcanization
Peroxide-Curable Fluoroelastomers, p. 3

The Mechanical Properties of Plastics Containing Cryogenically Ground Tire, p. 115

Web
Composite Structures From Spunbonded Nylon Web and Rubber, p. 199

Wire Adhesion
A Dynamic Wire Adhesion Test, p. 95

Influence of Processing Aids on the Rubber Adhesion to Steel Cord in Adhesive Compounds, p. 105

A Comparison of Current Bonding Agent Systems, p. 216

Young's Modulus
Anisotropy of Composites: Mechanical and Solvent-Swelling Characteristics, p. 59